

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-18 (cancelled)

19. (currently amended) A method for treating the symptoms of a neurological medical disorder mediated by accelerated rates of apoptosis in a mammalian body, which method comprises:

(a) selecting a patient having or suspected of having a neurological medical disorder mediated by accelerated rates of apoptosis;

(b) reacting an aliquot of blood from the mammalian body of said patient *ex vivo* with a stressor comprising both an:

an oxidative environment stressor wherein the oxidative environment is selected from the group consisting of liquid and gaseous oxidizing agents wherein the gaseous oxidizing agent is a mixture of ozone and medical grade oxygen; and

an ultraviolet light stressor;

and optionally a temperature stressor which is a temperature above or below body temperature;

and (c) administering the aliquot of blood treated in step (b) to the mammalian body; thereby reducing the rate of apoptosis.

20. (previously presented) The method of claim 19 wherein the aliquot of blood has a volume from about 0.1 - 100 ml.

21. (previously presented) The method of claim 20 wherein when the temperature stressor is employed said stressor is a temperature in the range from about -5° to 55°C.

22. (previously presented) The method of claim 20 wherein said temperature stressor is a temperature in the range of from about 40° to 50°C.

23. (previously presented) The method of claim 20 wherein said oxidative environment stressor comprises a mixture of ozone and medical grade oxygen, bubbled through the blood aliquot.

24. (previously presented) The method of claim 23 wherein the gaseous mixture has an ozone content of from about 10-100 μg per ml.

25. (previously presented) The method of claim 20 wherein said ultraviolet light stressor is ultraviolet light in the UV-C band wavelength.

26. (previously presented) The method of claim 20 wherein all three stressors are applied to the aliquot simultaneously.

27. (previously presented) The method of claim 26 wherein said stressors are applied for a period of time from 0.5 to 60 minutes.

28. (previously presented) The method of claim 27 wherein the time is from about 2 to 5 minutes.

29. (previously presented) The method of claim 19, wherein the neurological disorder is Parkinson's disease, senile dementia or Alzheimer's disease.